

APPENDIX A

(Clean copy of claims as amended)

5. (Amended) The cutting tool as claimed in claim 1, wherein the thermal conductivity of the cubic boron nitride sintered compact, at the said edge part, is 300 to 100 w/m-K.

6. (Amended) The cutting tool as claimed in claim 1, wherein the thermal expansion coefficient of the cubic boron nitride sintered compact, at the said edge part is $3.0 \text{ to } 4.0 \times 10^{-6}/\text{K}$ at a temperature ranging from 20°C to 600°C.

7. (Amended) The cutting tool as claimed in claim 1, which is applied to a face milling cutter or end mill for high speed cutting cast irons or steels.

8. (Amended) The cutting tool as claimed in claim 1, wherein the cubic boron nitride sintered compact, at the said edge part, contains cBN with an average grain diameter of at most 0.5 μm .